BELZONA RESTORES OIL & GAS FLOAT CELL VESSEL

ID: 5667

Industry: Oil & Gas Customer Location: Gulf of Mexico, USA

Application: TCC-Tanks and Chemical Containment Application Date: May 2015

Areas

Substrate: Carbon steel

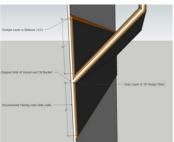
Products: * Belzona 1121 (Super XL-Metal),

* Belzona 5811 (Immersion Grade),

Problem

The oil bucket which ran along the length of the vessel was developing frequent through-wall defects. These holes inhibited the float cell from properly separating produced water from oil & gas.









Photograph Descriptions

- * Float Cell before. Note oil bucket runs on right hand side of vessel.,
- * Cold Plate Bonding illustration generated as part of proposal.,
- * Cold Plate Bonding complete on a portion of the float cell. ,
- * Two coat system of Belzona 5811 installed as a corrosion barrier. ,

Application Situation

Float Cell Vessel on a deep-water oil & gas platform.

Application Method

The application was carried out in accordance with a modified Belzona Know-How System Leaflet TCC-1 and TCC-3. Belzona 1121 was used to cold-plate bond on both sides of thin-wall/through-wall damaged areas of the oil bucket, and Belzona 5811 was used to coat all internal surfaces for a corrosion barrier.

For more examples of Belzona Know - How In Action, please visit https://khia.belzona.com

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FS 695214 manufactured under an ISO
ISO 14001:2015 9000 Registered Quality
EMS 695213 Management System.

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Belzona Facts

The client initially asked for a short-term solution to plug holes in the oil bucket while a new float cell was fabricated. The new float cell was budgeted at US \$500,000 and would include shutting down the production for installation at an approximate cost of US \$1,000,000.00 in lost production per day. When offered a restoration of internal oil bucket through Belzona 1121 cold plate bonding (eliminated hot work), and a Belzona 5811 internal corrosion barrier, the client saw the many benefits and selected this route. The client's selected contractor installed the system in 1.5 weeks with a total cost of approximately US \$50,000, including Labor and Material, and no need to shut down the production. The increased safety of reducing hot work, the direct savings of US \$450,000, and the indirect savings in the millions, have shown this client the benefit of using Belzona to repair, protect, and improve.